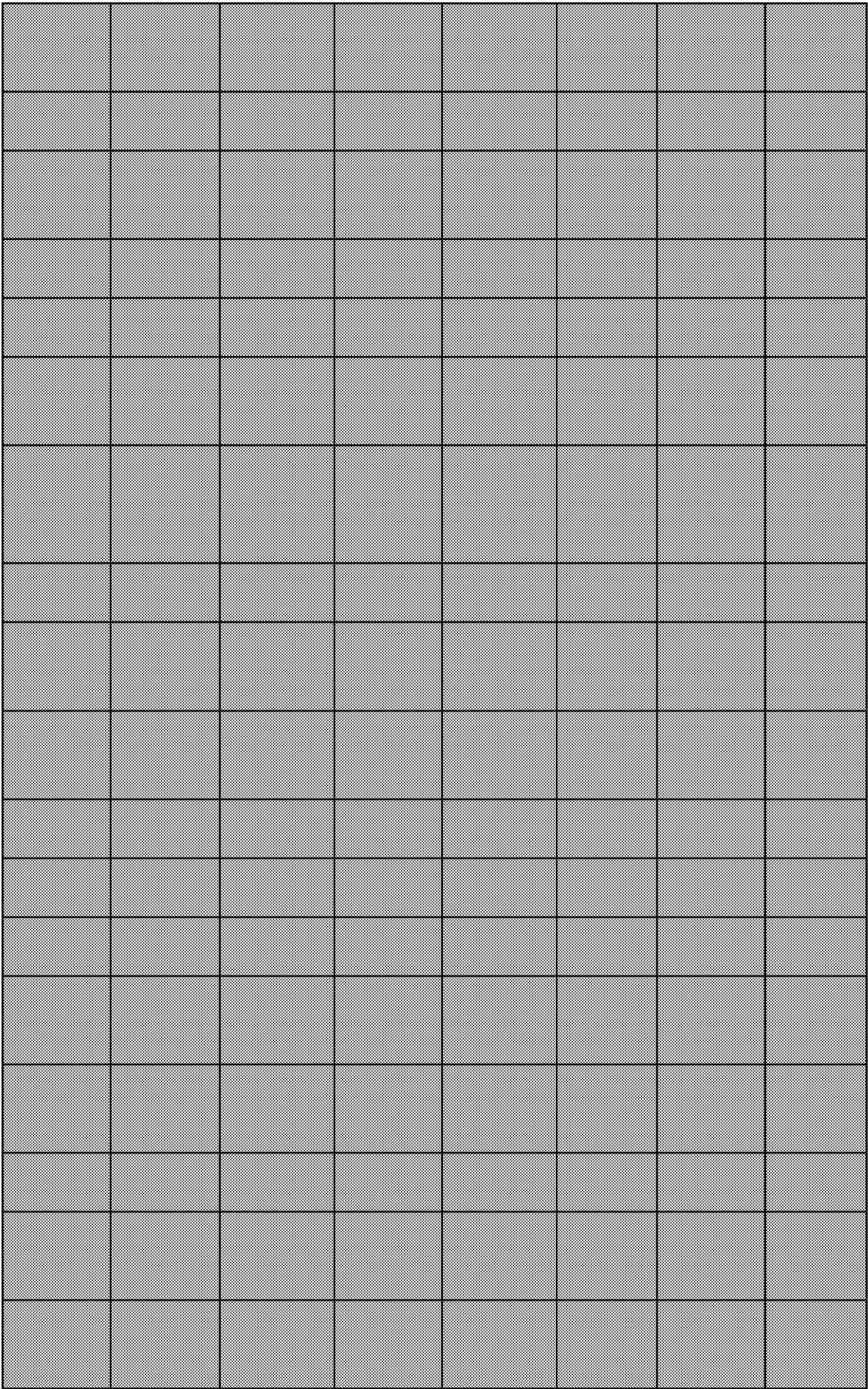


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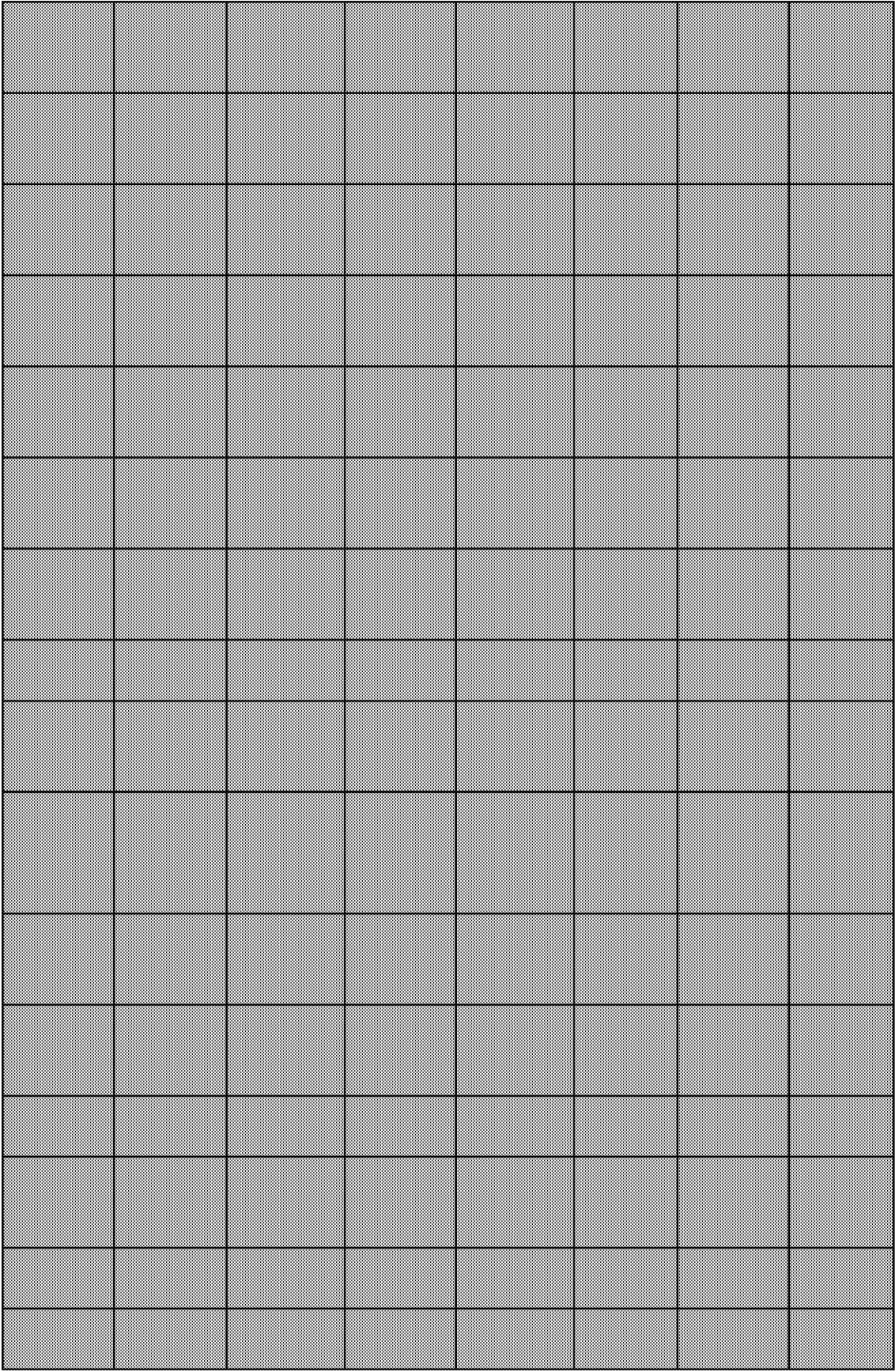
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The tannins represent a highly heterogeneous group of water-soluble plant polyphenols that may play an important role
There is circumstantial evidence implicating reactive oxygen species (ROS) in the highly ordered temporal and spatial reg
The aim of this work was to evaluate the potential utility of antioxidant parameters as indicators of exposure to toxicants
There is a great need for proactive approaches to avoid amphibian declines. We investigated the possibility that antioxid
Zea mays L. plants exposed to 25, 50 and 100 μ M Cd and paraquat (PQ) - 25 μ M alone and in combination (25 μ M
The main supporting matrix of the edible Nostoc commune colony is polysaccharide, which plays important roles in prote
The effects of cadmium (Cd^{2+}), mercury (Hg^{2+}), lead (Pb^{2+}), copper (Cu^{2+}) and nickel (Ni^{2+}) on the glutathione (GSH)-re
The objectives of this study were the changes of antioxidative key enzyme activities under stress conditions induced by a
External factors such as herbicides and air pollutants can cause damage to plant cells. Paraquat-induced injury arises from
We studied the effect of a short term shading on the activity of the antioxidative system in primary leaves of Phaseolus v
It has been shown that H_2O_2 , the dismutation product of O_2^- , is produced at cell-surface interfaces. Nevertheless, the re
Biological activity of the extract from golden root (<i>Rhodiola rosea</i> L.) roots, containing the complex of phenylpropanoids
The adaptive and cross-protection responses to oxidants were investigated in <i>Bacillus</i> sp. F26. The cells were treated with
Glutathione peroxidase (GSH-Px), from commercial bovine erythrocytes or ammonium sulfate fractionations (30-45%, 45

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The carcinogenic urethane (URTH), dimethylnitrosamine (DMN), 3-methylcholanthrene (MCA), benzo[a]pyrene (BP), 7,12-dimethylbenz[a]anthracene (DMBA), and 2-amino-3-methylimidazo[4,5-f]quinoline (2-aminoimidazo[4,5-f]quinoline) were investigated in the rose
The activities of ascorbate peroxidase (APX), glutathione reductase (GR), and catalase (CAT) were investigated in the rose
The effect of phosphorus (P), potassium (K), and magnesium (Mg) deficiency on the development of leaf symptoms (chlorosis) was investigated in the rose
This study reports that earthworms, <i>Allolobophora chlorotica</i> , are capable of biotransforming paraquat, a toxic herbicide
A natural substance that nullifies paraquat activity was isolated from paraquat-tolerant <i>Rehmannia glutinosa</i> and identified
Pea cultivars that are differentially sensitive in apparent photosynthesis to sulfur dioxide were tested for their sensitivity
Seed germination is an important developmental switch when quiescent seed cells initiate oxidative phosphorylation for
The relationship between Fe ²⁺ -overloading enhanced antioxidative mechanism and protection from successive oxidative
behavior of two biotypes of the composite weed <i>Conyza bonariensis</i> , resistant and sensitive to paraquat (PQ), exposed to
Background and Design: Because lipid peroxides are believed to play a role in cataract formation, we examined serum lip
A current hypothesis explaining the toxicity of superoxide anion in vivo is that it oxidizes exposed [4Fe-4S] clusters in cert
Interactions among transcription factors control their physiological functions by regulating their binding specificities and
We examined the systematic assay of the reporter gene for the assessment of heavy metals and organic chemical polluta
Vanadium is a metal that under physiological conditions can exist in two oxidation states, V(IV) (vanadyl ion) and V(V) (va
A mutant (NL-5 1) of the unicellular green alga <i>Chlamydomonas reinhardtii</i> Dangeard isolated from a wild-type strain (13
Cockayne syndrome B (CSB), best known for its role in transcription-coupled nucleotide excision repair (TC-NER), contain

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